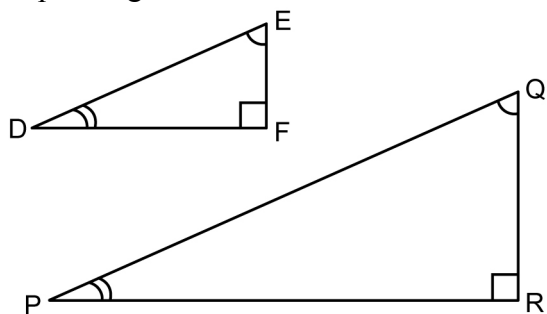


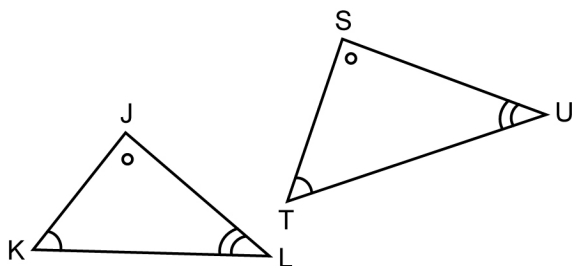
Section 7.1 Practice Master

1. Name the similar triangles in each case. Write the letters so that equal angles appear in corresponding order.

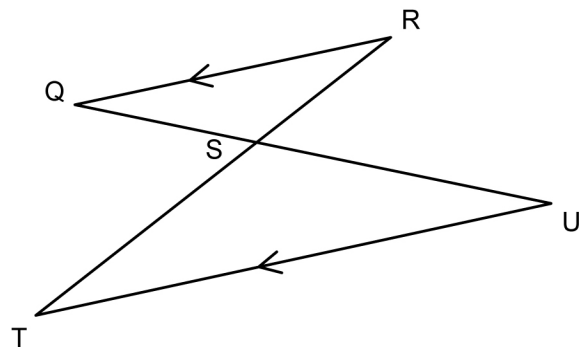
a)



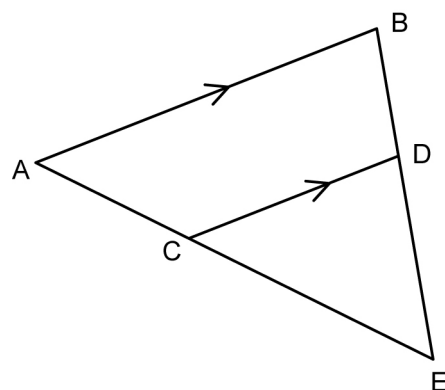
b)



c)

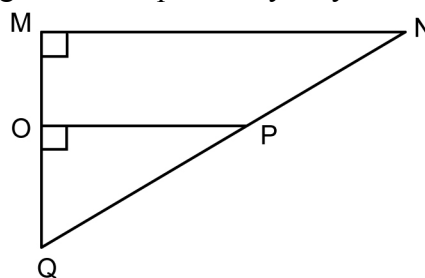


d)

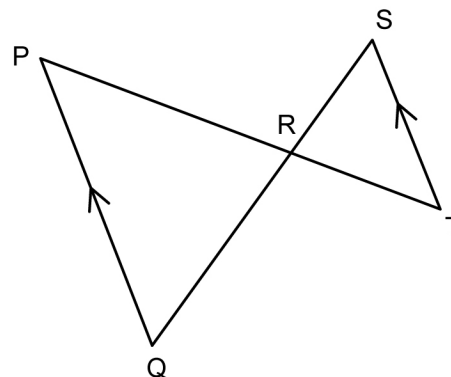


2. Name a pair of similar triangles in each diagram and explain why they are similar.

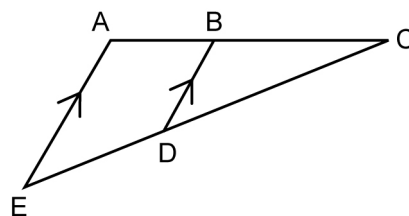
a)



b)

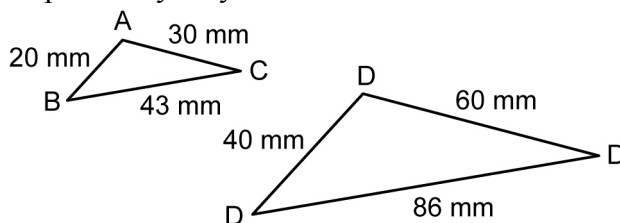


c)



3. Name a pair of similar triangles in each and explain why they are similar.

a)

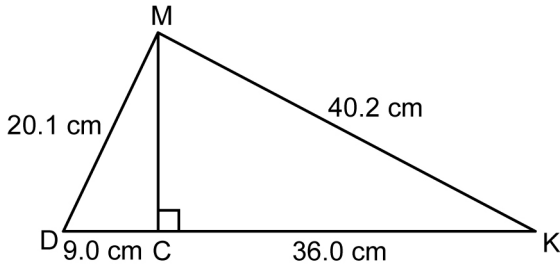


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Date: _____

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b)



4. For each pair of similar triangles in question 3, list all the pairs of corresponding angles and corresponding sides.
5. **a)** Draw an isosceles triangle.
b) Draw an isosceles triangle that is
- congruent to the one you drew
 - similar to the one you drew
 - neither congruent nor similar to the one you drew

6. Are all scalene triangles similar? Justify your answer.
7. Taha wants to enlarge a 4 in. by 6 in. photo so that the width and length are in proportion.
- a)** Find the dimensions of the photo if the width and length are doubled.
- b)** Find the dimensions of the photo if the width and length are tripled.
- c)** Find the dimensions of the photo if the width and length are halved.
- d)** How are the areas of the different sizes of photos related?